ADAPTIVE ACTIVE CACHE REFRESH

Patent number:	WO9922315
Publication date:	1999-05-06
Inventor:	MALCOLM MICHAEL; TELFORD IAN
Applicant:	CACHEFLOW INC (US)
Classification:	
- international:	*G06F17/30;* G06F17/30; (IPC1-7): G06F17/30
- european:	G06F17/30W9C
Application number:	WO1998US20719 19981002
Priority number(s):	US19970959058 19971028

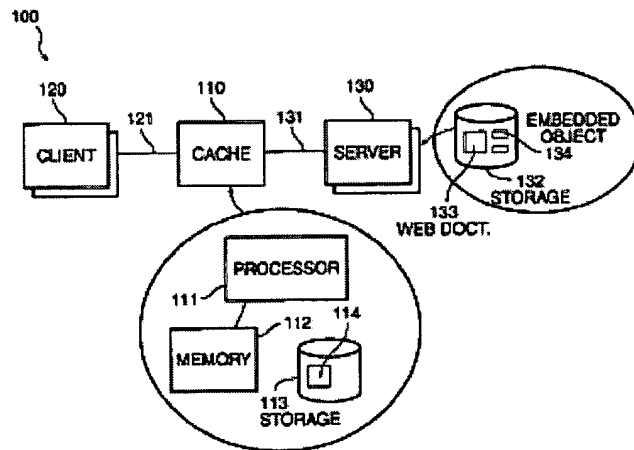**Also published as:**

US6128701 (A1)

Cited documents:

XP002086721
XP004037987
XP002086568
XP004018195
XP004095297

Report a data error here

Abstract of **WO9922315**

The invention provides a system and system for automatically refreshing documents in a cache, so that each particular document is refreshed no more often and no less often than needed. For each document, the cache estimates a probability distribution of times for client requests for that document and a probability distribution of times for server changes to that document. Times for refresh are selected for each particular document in response to both the estimated probability distribution of times for client requests and the estimated probability distribution of times for server changes. The invention also provides a system and system for objectively estimating the value the cache is providing for the system including the cache. The cache estimates for each document a probability distribution of times for client requests for that document, and determines a cumulative probability distribution which reflects the estimated marginal hit rate at the storage limit of the cache and the marginal advantage of adding storage to the cache.

Data supplied from the *esp@cenet* database - Worldwide